

Interleukin-10 Human Recombinant

Item Number	rAP-0604
Synonyms	B-TCGF, CSIF, TGIF, IL-10, IL10A, MGC126450, MGC126451, Cytokine synthesis inhibitory factor.
Description	Interleukin-10 Human Recombinant produced in E.coli is a single non-glycosylated polypeptide chains containing 161 amino acids each and having a molecular mass of 18.6kDa. The IL-10 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P22301
Amino Acid Sequence	MSPGQGTQSE NSCTHFGNL PNMLRDLRDA FSRVKTFQK KDQLDNLLK ESLLDFKGY LGCQAL-SEMI QFYLEEVMPQ AENQDPDIKA HVNSLGENLK TLRRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL10 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-10 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells was found to be less than 2.0ng/ml, corresponding to a specific activity of 5.0×10 ⁵ IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**